

Faculty Profile

Dr. Ebenezer Jangam

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Academic Background

Degree	University	Year
Ph.D	Indian Institute of Technology (IIT), Dhanbad	2021
M.Tech	National Institute of Technology (NIT), Surathkal	2009
B.Tech	Jawaharlal Nehru Technological University (JNTU), Hyderabad	2005

Courses Taught

- Computer Vision
- Machine Learning
- Remote Sensing & GIS

Research Interests

- Machine Learning
- Medical Image Processing
- Information Security
- Remote Sensing

Most recent Publications

1. Jangam E, Annavarapu CSR, Barreto AAD. A multi-class classification framework for disease screening and disease diagnosis of COVID-19 from chest X-ray images. *Multimed Tools Appl.* 2023;82(10):14367-14401. doi: 10.1007/s11042-022-13710-5. Epub 2022 Sep 21. PMID: 36157353; PMCID: PMC9490695.

2. Ebenezer, J., Krishna, P.G., Poojitha, M., Krishna, A.V. (2023). Plant Leaf Disease Detection and Classification with CNN and Federated Learning Approach. In: Deepak, B.B.V.L., Bahubalendruni, M.V.A.R., Parhi, D.R.K., Biswal, B.B. (eds) Intelligent Manufacturing Systems in Industry 4.0. IPDIMS 2022. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-99-1665-8_44
3. S. Fathimabi, E. Jangam, R. B. V. Subramanyam and S. A, "MRFSG-IG: MapReduce based Frequent Subgraph Mining using Integrated Graph Index," 2022 9th International Conference on Computing for Sustainable Global Development (INDIACom), New Delhi, India, 2022, pp. 609-615, doi:10.23919/INDIACom54597.2022.9763250.
4. Jangam, E., Barreto, A.A.D. & Annavarapu, C.S.R. Automatic detection of COVID-19 from chest CT scan and chest X-Rays images using deep learning, transfer learning and stacking. *Appl Intell* **52**, 2243–2259 (2022). <https://doi.org/10.1007/s10489-021-02393-4>
5. Ebenezer Jangam, Chandra Sekhara Rao Annavarapu, A stacked ensemble for the detection of COVID-19 with high recall and accuracy, *Computers in Biology and Medicine*, Volume 135, 2021, 104608, ISSN 0010-4825, <https://doi.org/10.1016/j.compbiomed.2021.104608>.
6. S. Fathimabi, E. Jangam and A. Srisaila, "MapReduce based Heart Disease Prediction System," 2021 8th International Conference on Computing for Sustainable Global Development (INDIACom), New Delhi, India, 2021, pp. 281-286.
7. Jangam, E., Annavarapu, C.S.R., Elloumi, M. (2021). Deep Learning for Lung Disease Detection from Chest X-Rays Images. In: Elloumi, M. (eds) Deep Learning for Biomedical Data Analysis. Springer, Cham. https://doi.org/10.1007/978-3-030-71676-9_10